



# Mechanical Assembly Display Automation



## Project 13 Team MADA



### Meet the Team



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ECE Lead Engineer



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Computer Engineer



**Jacob Cutter**  
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**Allen Ugalde**  
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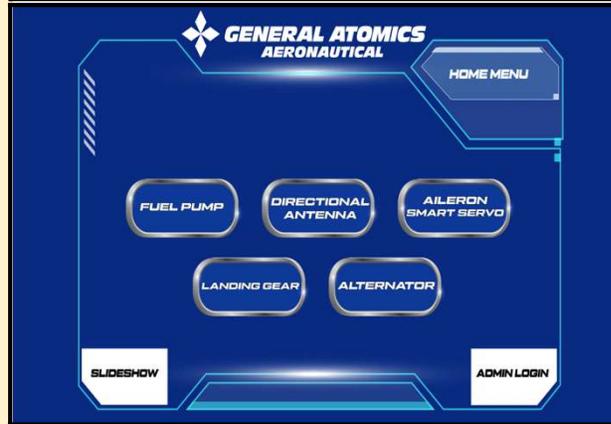


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Electrical Engineer

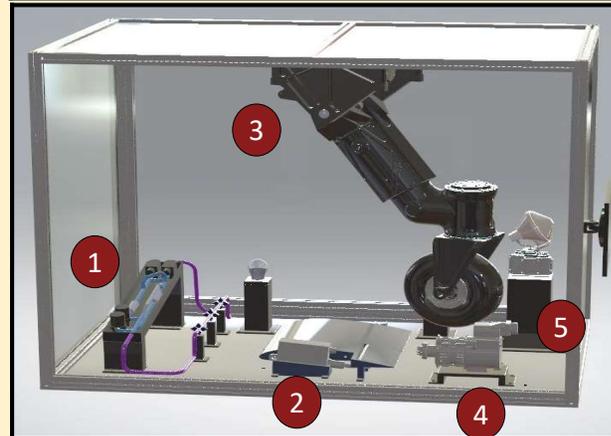
### Meet the Sponsor

**General Atomics:** Founded in 1955, General Atomics began in San Diego, California as a division of General Dynamics with the focus of harnessing the power of nuclear technologies. Now, General Atomics Aeronautical Systems is one of the world leaders in the design and manufacture of Unmanned Aircraft Systems, radars, and electro-optic products.

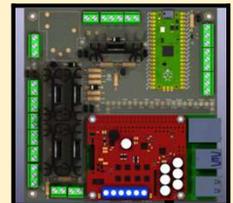
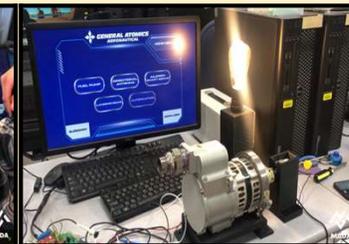
### Design for the Display Case GUI User Interface



### CAD



Icon Number	Sub Assembly
1	Fuel Tray
2	Aileron Servo
3	Landing Gear
4	Alternator
5	Directional Antenna

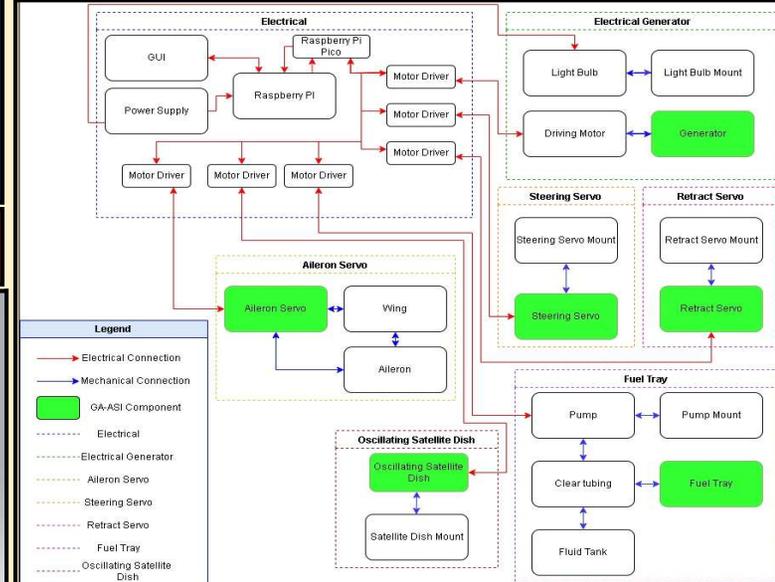


### Project Overview

**Problem:** Current display being used is uninspiring and falls flat to many tour goers of the facility. Additionally, the display does not showcase the function of the parts that are being presented

**Need:** Develop a dynamic, interactive, and eye-catching display to help represent the functions of the components displayed within the case and the roles they serve in GA-ASI products.

### System Level Diagram



### Acknowledgements

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